

Attorney's Docket No.: 007482.P004

AP20 Rec'd PCT/PTO 12 JUN 2006
PatentIN THE UNITED STATES PATENT AND TRADEMARK OFFICE
FILING UNDER 35 U.S.C. § 371

In re Patent Application of:

Wieslaw Lucjan Nowinski, et al.

Application No.: Not Yet Assigned

Filed: Herewith

For: METHOD AND APPARATUS FOR
IDENTIFYING PATHOLOGY IN
BRAIN IMAGES

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO/SB/08 be

Certificate of Express Mailing

"Express Mail" mailing label number: EV 839869721 US

Date of Deposit: June 12, 2006

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450.

Linda K. Brost

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

(Date signed)

AP20 Rec'd PCT/PTO 12 JUN 2006

initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant. The references were cited in a Search Report dated September 2, 2004 and a Written Opinion dated June 3, 2005 (copies enclosed herewith) in a counterpart PCT application.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

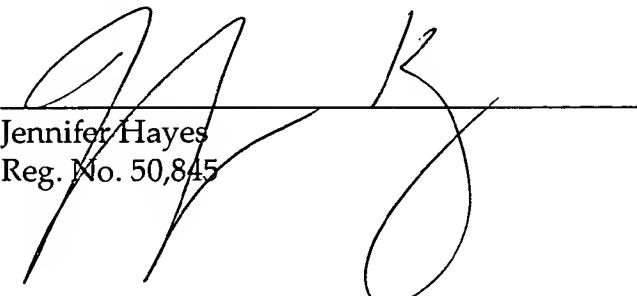
- X 37 C.F.R. §1.97(b).
 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
 A statement pursuant to 37 C.F.R. §1.97(e) or
 A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
(1) A statement pursuant to 37 C.F.R. §1.97(e); and
(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: June 12, 2006


Jennifer Hayes
Reg. No. 50,845

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 2001 092980	04-06-2001	NEC Corp.		
		WO 00/65985	11-09-2000	University of South Florida		
		WO 02/43003 A1	05-30-2002	Kent Ridge Digital Labs.		

Examiner Signature	/Seyed Azarian/	Date Considered	09/18/2010
--------------------	-----------------	-----------------	------------

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.A./

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	June 12, 2006
				First Named Inventor:	Wieslaw Lucjan Nowinski
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	007482.P004
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		CLARK, MATTHEW C., et al. "Automatic Tumor Segmentation Using Knowledge-Based Techniques." IEEE Transactions on Medical Imaging, April 1998, pp. 187-201, Vol. 17, No. 2, ISSN: 0278-0062.			
		FLETCHER-HEATH, LYNN M., et al. "Automatic segmentation of non-enhancing brain tumors in magnetic resonance images." Elsevier, Artificial Intelligence in Medicine 21(1-3) (2001), pp. 43-63.			
		HU, QINGMAO, et al. "A rapid algorithm for robust and automatic extraction of the midsagittal plane of the human cerebrum from neuroimages based on local symmetry and outlier removal." NeuroImage, December 2003, pp. 2153-2165, Vol. 20, Issue 4.			
		KAUS, MICHAEL R., et al. "Automated Segmentation of MR Images of Brain Tumors." Radiology, February 2001, pp. 586-591, Vol. 218, No. 2.			
		LI, CHUNLIN, et al. "Knowledge-Based Classification and Tissue Labeling of MR Images of Human Brain." IEEE Transactions on Medical Imaging, December 1993, pp. 740-749, Vol. 12, No. 4.			

Examiner Signature	/Seyed Azarian/	Date Considered	09/18/2010
--------------------	-----------------	-----------------	------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	10/15/2006 June 12, 2006
				First Named Inventor:	Wieslaw Lucjan Nowinski
				Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned				
Sheet	1	of	2	Attorney Docket Number	007482.P004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
		US-	4,856,528	08-15-1989	Yang, et al.	
		US-	6,430,430 B1	08-06-2002	Gosche	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
			JP 2001 092980		04-06-2001	NEC Corp.		
			WO 00/65985		11-09-2000	University of South Florida		
			WO 02/43003 A1		05-30-2002	Kent Ridge Digital Labs.		

Examiner Signature	/Seyed Azarian/	Date Considered	09/18/2010
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	June 12, 2006
				First Named Inventor:	Wieslaw Lucjan Nowinski
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	007482.P004
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		CLARK, MATTHEW C., et al. "Automatic Tumor Segmentation Using Knowledge-Based Techniques." IEEE Transactions on Medical Imaging, April 1998, pp. 187-201, Vol. 17, No. 2, ISSN: 0278-0062.			
		FLETCHER-HEATH, LYNN M., et al. "Automatic segmentation of non-enhancing brain tumors in magnetic resonance images." Elsevier, Artificial Intelligence in Medicine 21(1-3) (2001), pp. 43-63.			
		HU, QINGMAO, et al. "A rapid algorithm for robust and automatic extraction of the midsagittal plane of the human cerebrum from neuroimages based on local symmetry and outlier removal." NeuroImage, December 2003, pp. 2153-2165, Vol. 20, Issue 4.			
		KAUS, MICHAEL R., et al. "Automated Segmentation of MR Images of Brain Tumors." <u>Radiology</u> , February 2001, pp. 586-591, Vol. 218, No. 2.			
		LI, CHUNLIN, et al. "Knowledge-Based Classification and Tissue Labeling of MR Images of Human Brain." IEEE Transactions on Medical Imaging, December 1993, pp. 740-749, Vol. 12, No. 4.			

Examiner Signature	/Seyd Azarian/	Date Considered	09/18/2010
--------------------	----------------	-----------------	------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.